

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 84-R-0059  
CUSTOMER NUMBER: 1834

FORM APPROVED  
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY  
( TYPE OR PRINT )

University Of Colorado Denver  
13001 E. 17th Place  
Campus Box F489; P O Box 6508  
Aurora, CO 80045

Telephone: (303) -724-1057

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS ( Sites ) - See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. ( An explanation of the procedures producing pain or distress in these animals and the reas such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs			14		14
5. Cats			42		42
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		26	39		65
9. Non-human Primates					
10. Sheep			79	21	100
11. Pigs			44	3	47
12. Other Farm Animals					
13. Other Animals					
CHINCHILLA			63		63
GERBIL			123		123
GROUND SQUIRREL				45	45

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
( Chief Executive Officer or Legally Responsible Institutional Official )

Nov 28 2005

DATE SIGNED

11/26/08

**USDA ANNUAL REPORT - CATEGORY E STUDIES**

**Registration 84-R-0059**

**Sheep** [REDACTED] : - 21 sheep

Description of Procedures:

[REDACTED]  
[REDACTED] Animals are housed in standard cages with ad lib water and food. For safety, the heating system is equipped with an alarm and automatic cut-off system.

Explanation of Reasons Why Pain- or Distress- Relieving Drugs Were Not Used:

The procedure is designed to mimic a naturally occurring phenomenon, namely, [REDACTED]  
[REDACTED]

**ground squirrels:** - 45 ground squirrels

Description of Procedures:

This goal of the protocol is to determine the [REDACTED] events that allow mammals, such as ground squirrels [REDACTED]. The ground squirrels are [REDACTED]  
[REDACTED]

In mammals, [REDACTED]

Thus, animals in [REDACTED] are not

[REDACTED] ground squirrels do not [REDACTED] and therefore must be [REDACTED]. Ground squirrels [REDACTED]  
[REDACTED]

Explanation of Reasons Why Pain- or Distress- Relieving Drugs Were Not Used:

[REDACTED]  
[REDACTED]. For these reasons, the most humane way to rapidly euthanize the [REDACTED] ground squirrels is decapitation.

NOV 28 2008

**Pigs: - 3 pigs**

**Description of Procedures:**

[REDACTED]

**Explanation of Reasons Why Pain- or Distress- Relieving Drugs Were Not Used:**

[REDACTED] with appropriate anesthesia, analgesia and [REDACTED]

However, the protocol was designated an E category because the [REDACTED]

[REDACTED]

[REDACTED] The goal of this study is to

[REDACTED]

[REDACTED]

[REDACTED] Their purpose and function when [REDACTED]

[REDACTED] The goal of this study is to [REDACTED] or

[REDACTED]

**EXCEPTIONS TO REGULATIONS**

The IACUC has approved an exception to standard air flow recommendations for [REDACTED]

[REDACTED]

[REDACTED] If necessary, the caging will be changed more frequently in an effort to maintain adequate air quality.

NOV 28 2008